0062626

SAF-B03-005
100N Ancillary Facilities & 190-DR Other Solid Sampling for ERDF Waste Designation FINAL DATA PACKAGE

E:Mail RESULTS TO:

Rikki Thoren	N/A INITIAL/DATE
Rene Nielson	N/A INITIAL/DATE
Dave Encke	N/A INITIAL/DATE
Duane Jacques	N/A INITIAL/DATE

COMPLETE COPY OF DATA PACKAGE TO:

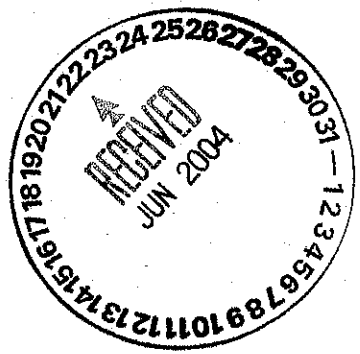
Rikki Thoren	X5-50	MJP 6-24-04 INITIAL/DATE

COMMENTS: (PLEASE INCLUDE THE FOLLOWING ON THE FAX COVER SHEET)

SDG (20040763) SAF-B03-005

Rad only X Chem only Rad & Chem

X Complete Partial



WSCF
ANALYTICAL LABORATORY REPORT

ANALYSIS OF BULK SAMPLES FOR FIBER CONTENT

for

Bechtel Hanford, Inc.
MSIN H9-02
Richland, WA 99352

Attention: J. Kessner MSIN: H9-02

Survey ID J01HN5-J01HN7

Data Validator

Group#: 20040763
Report Date 21-jun-2004
bulk/rev.r6

Fluor Hanford, Inc.
MSIN: S3-28
Richland, WA 99352 Phone 373-7403

WSCF
ANALYTICAL LABORATORY REPORT
ANALYSIS OF BULK SAMPLES FOR FIBER CONTENT

Your samples have been analyzed for fiber content using polarized light microscopy and dispersion staining in accordance with Industrial Hygiene Laboratory Procedure LA-519-403, based on 40 CFR Part 763, Subpart E, App. E and EPA method EPA/600/R-93/116. The results are attached.

This method provides a visual estimate of the precentage of each fiber type present. It is a semiquantitative method intended to identify materials containing > or = 1% asbestos fibers.* Reported fiber percentages for samples and sample layers are based on the samples as received by the laboratory. The laboratory cannot verify that these values are representative of the original material sampled.

The Waste Sampling and Characterization Facility is accredited by the American Industrial Hygiene Association (AIHA) to analyze bulk samples for asbestos content. This accreditation does not constitute approval or endorsement of analytical results by AIHA.

If there are questions concerning this report, please contact the data validator listed on the cover page of this report.

* Because of the nonhomogeneous nature of soils, results will be reported using the following terms rather than percentages:

1. None - No asbestos fibers found.

2. Trace detectable - With extensive searching, a few fibers of the type indicated were found; concentration very low, well below 1%.

3. Obvious presence - Fibers easily found but overall concentration still low.

4. Significant presence - Fibers readily found; overall concentration may approach or exceed 1% level.

Polarized light microscopy (PLM) may not be the preferred method for identification of asbestos in floor tile. Most vinyl floor tiles marketed in the late sixties to mid-seventies contained asbestos milled so fine as to be below detection limits for PLM techniques. Tiles of that vintage, showing any detectable asbestos fibers should be considered to be asbestos-containing material. Non-detection of asbestos by PLM should not be considered conclusive proof that the tiles do not contain asbestos. Results for such samples will be reported as 'indeterminate'. Confirmatory analysis by TEM is strongly recommended.

WSCF
ANALYTICAL LABORATORY REPORT

Attention: J. Kessner MSIN: H9-02 **Group #:** 20040763

Sample #	Client ID	Test Performed	Range	Result	Units	Analyst	Sampled	Received	Analyzed
W04I002342	J01HN5	The following are the results of this test- Bulk Asbestos Layer 1							
		Chrysotile Asbestos		10-20	%	sdb	05/10/04	05/10/04	05/11/04
		Fiberglass		3-7	%	sdb	05/10/04	05/10/04	05/11/04
	SAMPLE COMMENT---	Non-homogeneous black fibrous tar with tan granular material							
	SAMPLE COMMENT---	reportedly from 1300N Emergency Dump Basin.							
W04I002343	J01HN6	The following are the results of this test- Bulk Asbestos Layer 1							
		Chrysotile Asbestos		10-20	%	sdb	05/10/04	05/10/04	05/11/04
		Fiberglass		5-15	%	sdb	05/10/04	05/10/04	05/11/04
	SAMPLE COMMENT---	Non-homogeneous black fibrous tar with tan granular material							
	SAMPLE COMMENT---	reportedly from 1300N Emergency Dump Basin.							
W04I002344	J01HN7	The following are the results of this test- Bulk Asbestos Layer 1							
		Chrysotile Asbestos		10-20	%	sdb	05/10/04	05/10/04	05/11/04
		Fiberglass		3-7	%	sdb	05/10/04	05/10/04	05/11/04
	SAMPLE COMMENT---	Non-homogeneous black fibrous tar with tan granular material							
	SAMPLE COMMENT---	reportedly from 1300N Emergency Dump Basin.							

WSCF
ANALYTICAL COMMENT REPORT

Attention: J. Kessner MSIN: H9-02 **Group #:** 20040763

Sample #	Client ID	Lab Area	Test	Comment
		VALGROUP		Validated 6/17/04 by SD Bolling, IH Technical Manager.
W04I002342	J01HN5	LOGSAMP		Received by K. Beebe and logged by SD Bolling 5/10/04.
				Samples acceptable upon receipt.
				MEDIA: Bulk
		TESTDATA	Bulk Asbestos Layer 1	Non-homogeneous black fibrous tar with tan granular material
				reportedly from 1300N Emergency Dump Basin.
W04I002343	J01HN6	TESTDATA	Bulk Asbestos Layer 1	Non-homogeneous black fibrous tar with tan granular material
				reportedly from 1300N Emergency Dump Basin.
W04I002344	J01HN7	TESTDATA	Bulk Asbestos Layer 1	Non-homogeneous black fibrous tar with tan granular material
				reportedly from 1300N Emergency Dump Basin.

Lab Areas: VALGROUP - Group Validation
LOGSAMP - Login for Sample
VALTEST - Test Validation
LOGTEST - Login for Tests
TESTDATA - Test Data Entry

20040743

Bechtel Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	B03-005-037	Page 1 of 1

Collector	Company Contact / Telephone No.	Project Coordinator	Price Code / Data Turnaround
Renee Nielson	Rikki Thoren 372-2178	KESSNER, JH	9K / ~~7 Days~~ 3 RUN

Project Designation	Sampling Location	SAF No.	Air Quality
100N Ancillary Facilities & 190-DR Other Solid Sampling fo	1300-N Emergency Dump Basin	B03-005	☐

Ice Chest No.	Field Logbook No.	COA	Method of Shipment
ERC-99-11-16	EL-1516-2	R1300N200C	Hand deliver - govt. vehicle 5/10/04

Shipped To	Offsite Property No.	Bill of Lading/Air Bill No.
Waste Sampling & Characterization	N/A	N/A

POSSIBLE SAMPLE HAZARDS/REMARKS

Special Handling and/or Storage

Preservation	None										
Type of Container	aG										
No. of Container(s)	1										
Volume	60mL										
SAMPLE ANALYSIS	Asbestos										
Sample No. / Matrix * / Sample Date / Sample Time											
J01HN5 W04I002342 / OTHER SOLID / 5-10-04 / 1155	X										
J01HN6 2343 / OTHER SOLID / 5-10-04 / 1200	X										
J01HN7 2344 / OTHER SOLID / 5-10-04 / 1205	X										

CHAIN OF POSSESSION	Sign/Print Names	SPECIAL INSTRUCTIONS	Matrix *
Relinquished By/Removed From R. Nielson Date/Time 5/10/04 1345	Received By/Stored In Date/Time 5/10/04 1345		S=Soil, SE=Sediment, SO=Solid, SI=Sludge, W=Water, O=Oil, A=Air, DS=Drum Solids, DL=Drum Liquids, T=Tissue, WI=Wipe, L=Liquid, V=Vegetation, X=Other
Relinquished By/Removed From Date/Time 5/10/04 1400	Received By/Stored In SD Bolling Date/Time 5/10/04 1400 Logged Stored		
Relinquished By Removed From Storage Date/Time	Received By/Stored In Date/Time 5/11/04 906		
Relinquished By/Removed From SD Bolling Date/Time 5/11/04 1005	Received By/Stored In Storage Date/Time		
Relinquished By/Removed From Date/Time	Received By/Stored In Date/Time		
Relinquished By/Removed From Date/Time	Received By/Stored In Date/Time		

LABORATORY SECTION	Received By	Title	Date/Time
	SD Bolling	IH Tech. Mgr.	5/10/04 1400
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

BHI-EE-011 (03/01/2002)